

TAB 2

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APR 07 2006

Attorney Docket No.: DA-047-US-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Fouad Mehawej
Serial No.: 10/066,935
Filed: February 4, 2002
Title: SUPERABSORBENT COMPOSITE AND ABSORBENT ARTICLES
INCLUDING SAME

Art Unit: 3761
Examiner: Stephens

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION OF FOUAD D. MEHAWEJ UNDER 37 CFR 1.131

I, Fouad D. Mehawej, state and declare as follows:

1. I am the named inventor on the above-captioned application.
2. Prior to November 30, 2001, my colleague, Wayne Miller, prepared a superabsorbent polymer composite at my direction. Mr. Miller prepared the composite by saturating a high loft nonwoven web with PD8081H an aqueous solution of superabsorbent polymer precursor and then drying the composite. This work was recorded at page 30 of laboratory notebook 7542, a copy of which is attached at Tab 1.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under section 1001 Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent on which this statement is directed.

Further I declare not.

Date: April 7, 2006


Fouad Mehawej
H.B. Fuller Company

CERTIFICATE OF TRANSMISSION

I hereby certify under 37 CFR §1.8(a) that this correspondence is being electronically transmitted to the United States Patent and Trademark Office on April 7, 2006

Signature


Allison Johnson
Typed or Printed Name of Person Signing Certificate

TAB 1

RESEARCH NOTHBOOK
CONFIDENTIAL

PAGE 10

NAME OF EXPERIMENT

SAP saturation

DATE: REDACTED

ADDITIONAL LOCATION

1200 WLB

PROJECT NO: 1003

DIRECTIVE OF EXPERIMENT

"PD8081H SAP system" to saturate High LOFT NW's for increased absorbance capacity

2 High LOFT NW substrate from Fuad Mahamud
one thicker than other
Substrate saturated in PD8081H SAP system at 22°C.
Then put them 1 has wiper with in it. weight
cooled thinner NW 15 min @ 130°C. This is one 35ml

Thin NW	Gram	Gram dry wt SAP	Added in
2	4.86	13.3	178
3	4.86	10.83	132
4	4.58	11.09	142
5	4.78	10.94	132

Thick NW	Gram	Gram dry wt SAP	Added in
1	8.9	22.6	154
2	9.36	21.68	132
3	10.55	26.15	148
4	10.12	24.36	141
5	10.09	24.52	144

2.4 gms thick NW 2 hrs absorbed 70 gms H₂O 7.66 pH
7.15 gms thinner NW " " 58 " " 7.73 "

2.18 gms Thin + 100 H₂O absorbed 33.5 gms in 2 min
34 " " 10 "
2.31 gms Thick NW + 100 H₂O " 56 gms in 2 min
70 gms in 10 min

REDACTED

DATE: REDACTED

DATE: REDACTED

and author retained to own and undisturbed by no this

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